

Table 1 Clinical results

Case	Age • Sex (Y)	Diagnosis	Daily dose (mg)	Duration (day)	Effect	Side effect
1	M. T. 48 M	Pulmonary abscess	1600	47	Good	—
2	T. G. 68 "	Pneumonia	1200	27	"	—
3	F. T. 76 "	Bronchitis	"	10	"	—
4	S. S. 29 F	"	"	5	"	—
5	Y. R. 27 M	"	"	5	"	—
6	G. T. 40 F	"	"	14	"	—
7	N. S. 65 M	"	"	7	"	—
8	Y. T. 39 F	"	"	11	"	—
9	M. A. 49 "	"	"	5	"	—
10	M. M. 58 "	"	"	7	"	—
11	K. T. 47 M	"	"	5	"	—
12	S. R. 30 F	"	"	5	Poor	—
13	H. H. 29 "	"	"	7	"	Borborygmus
14	T. F. 30 "	"	"	7	"	—
15	O. C. 63 M	"	"	7	"	Stomatitis
16	S. K. 49 F	"	"	7	"	—
17	S. H. 24 M	"	"	21	"	—
18	U. S. 31 "	"	"	7	"	—
19	U. M. 19 F	"	"	7	"	—
20	A. H. 68 "	"	"	12	"	—
21	S. M. 55 M	"	"	5	"	—
22	T. K. 40 "	"	"	4	"	—
23	K. Y. 22 F	"	"	3	"	—
24	O. K. 40 "	"	"	5	"	—
25	F. K. 34 "	Tonsillitis	"	5	Good	—
26	U. M. 23 M	"	"	5	"	—
27	K. Y. 28 "	"	"	7	"	—
28	S. A. 44 F	"	"	14	"	—
29	D. K. 22 M	"	"	5	"	—
30	Y. M. 22 F	"	"	7	"	—
31	K. S. 30 M	"	"	10	"	—
32	H. K. 30 "	"	"	14	"	—
33	T. H. 26 "	"	"	5	Poor	—

66mmHg, 貧血, 黄疸なし。咽頭発赤あり, 胸部, 心濁音界左方に1横指拡大, 右肺野にて捻髪音(+), 腹部平坦軟, 肝, 脾触知せず。下肢浮腫なし。

諸検査は Table 3 に示すとおりで, 胸部X線上, 右中肺野に均等陰影あり肺炎と診断し, 外来にて PMDM 1日1200mgを27日間投与し自他覚所見の改善をみた。認むべき副作用はなかった。

副作用

臨床例について述べたように (Table 1) 33例に投与し, 2例に副作用として腹鳴, 口内炎を認めた。しかし投与を中止するほどのものではなかった。つぎに10例で肝機

Fig. 2 Case 2 68Y M Pneumonia

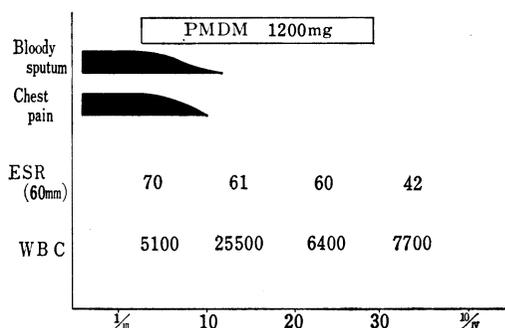


Table 2 Laboratory reports at admission (case 1)

(2/Ⅹ)

Blood picture :	RBC	429×10 ⁴	Liver function test : Icterus index	3	
	Hb	11.7		ZTT	11.8U
	Hematocrit	27%		Alkaline phosphatase	2.8"
	WBC	3300		Total cholesterol	155 mg/dl
	Neutrophiles	55%		S-GOT	45U
	Eosinophiles	0%		S-GPT	50"
	Lymphocytes	40%		LDH	320"
	Monocytes	5%		Others :	CRP
Urinalysis :	Protein	-	LFT	-	
	Glucose	-	STS	-	
	Urobilinogen	+	ESR(1hr)	30 mm	
	Red blood cell	-	Kidney function test : BUN	14.6 mg/dl	
	White blood cell	2~5	Creatinine	1.2	
	Parement epithelium	1~2	Uric acid	4.1	
	Occult blood test	±	Sputum culture :	Gram (-) coccus	++
				<i>Strept. viridans</i>	+
Serum protein :	Total protein	7.8 g/dl	Electrocardiogram	normal	
	A/G ratio	1.23	Chest X-ray		
	Albumin	55.0%	There was shadow with cavity in right middle and lower lung field.		
	α-Globulin	9.2%			
	β-Globulin	17.2%			
	γ-Globulin	29.7%			
Serum electrolyte :	Na	130 mEq/L			
	Cl	98 "			
	K	4.4 "			

Table 3 Laboratory reports at fist medical examination (case 2)

(3/Ⅲ)

Blood picture :	RBC	511×10 ⁴	WBC	5100	
	Hb	15.6		Neutrophiles	62%
	Hematocrit	48%		Eosinophiles	1%
			Lymphocytes	35%	
			Monocytes	2%	
Urinalysis :	Protein	-			
	Glucose	-			
	Urobilinogen	+			
Liver function test :	GOT	35 U			
	GPT	43 "			
	Alkaline phosphatase	2.6 "			
	<i>Strept. viridans</i>	+			
	<i>Neisseria</i>	+			
	<i>Mycobact. tuberculosis</i>	-			
Cytodiagnosis of sputum :	Normal				
	CRP	###			
	LFT	-			
	ASLO	50			
	Cold hemagglutination	-			
	ESR (1 hr)	70 mm			
Electrocardiogram :	Normal				
Chest X-ray : There was equality shadow in right lung field.					

Table 4 Liver function tests before and after oral administration of propionylmaridomycin

Case	Age • Sex (Y)		Duration (day)	GOT (U)		GPT (U)		Al-P (U)	
				before	after	before	after	before	after
G. T.	40	F	14	30	30	23	23	2.0	2.0
N. S.	65	M	7	40	40	40	33	3.0	3.8
Y. T.	39	F	11	25	33	25	33	1.2	1.7
K. S.	30	M	10	33	30	30	33	2.6	2.4
H. H.	29	"	7	25	30	25	33	2.6	2.7
O. C.	63	"	7	23	30	30	30	3.0	3.2
S. K.	49	F	7	25	40	33	43	1.6	1.7
T. G.	68	M	27	35	40	43	33	2.6	2.6
F. T.	76	"	10	33	23	30	25	3.1	2.3
M. T.	48	"	47	45	30	50	33	2.8	2.2

Table 5 Kidney function tests before and after oral administration of propionylmaridomycin

Case	Age • Sex (Y)		Duration (day)	Creatine (mg/dl)		BUN (mg/dl)	
				before	after	before	after
G. T.	40	F	14	0.6	0.8	14.8	20.8
Y. T.	39	"	11	1.1	1.0	16.4	17.3
K. S.	30	M	10	1.1	1.1		
H. H.	29	"	7	1.0	0.8	10.9	12.4
O. C.	63	"	7	1.0	0.7	19.0	18.5
S. K.	49	F	7	0.8	0.8	10.0	12.8
S. T.	44	"	14	1.1	0.8	9.8	6.9
U. S.	31	M	7	1.7	0.9		
F. T.	76	"	10	1.4	1.0	7.5	7.5
M. T.	48	"	47	1.2	1.2	14.6	20.5

能として GOT, GPT, Al-P について PMDM 投与前後の変動をみたが病的上昇は認められなかつた (Table 4)。

また、腎機能としてクレアチニン, BUN の変動をみたが、なんら変動を示さなかつた (Table 5)。

ま と め

以上、私どもは新抗生剤 propionylmaridomycin の呼吸器感染症33例に対する治療効果、副作用、投与前後の肝機能、腎機能について検討し、つぎの結論を得た。

1) 肺膿瘍1例、肺炎1例、気管支炎22例、扁桃炎9例計33例に propionylmaridomycin 1日1200~1600mg

を3~47日間投与し、肺膿瘍1例、肺炎1例、気管支炎22例中9例(41%)扁桃炎9例中5例(89%)に有効であつた。

2) 副作用としては、33例中2例に腹鳴と口内炎をそれぞれ1例に認めた。また、10例について propionylmaridomycin 投与前後の肝機能(GOT, GPT, Al-P)腎機能(クレアチニン, BUN)の変動を検討したがとくに認むべき変動はなかつた。

参 考 文 献

第20回日本化学療法学会総会抄録集、於大阪、1972

CLINICAL EXPERIMENT WITH PROPIONYLMARIDOMYCIN

MASATAKA KATSU, IPPEI FUJIMORI, SACHU SHIMADA,
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Purpose of this paper is to describe clinical evaluation of propionylmaridomycin prescribed to 33 patients with respiratory infectious diseases.

Patients treated were 9 of tonsillitis, 21 of bronchitis, each one of pneumonia and abscess of the lung.

Patients were consisted of 17 males and 16 females and age of patients ranged from 19 to 76 year-old.

Clinical efficacy of propionylmaridomycin in pneumonia, abscess of the lung and tonsillitis was excellent and it was 41% in bronchitis.

Dosage of propionylmaridomycin in tonsillitis, bronchitis and pneumonia was 1,200 mg t.i.d., and duration was varied from case to case. They were from 3 to 27 days.

Abscess of the lung was treated with propionylmaridomycin 1,600 mg four times daily for 47 days.

No serious side effects were noted except stomatitis and increased gurgling in 2 cases of bronchitis.